breatheaudio™
pulse

EXPERIENCE THE RHYTHM OF YOUR LIFE

High Efficiency 200 Watt Audio Amplifier

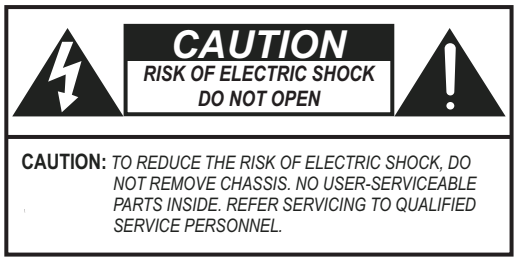
BA-200 | Owners Manual

ENGLISH

Danger
Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably to noise induced hearing loss but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:

DURATION PER DAY (HOURS)	8	6	4	3	2	1
SOUND LEVEL (dB)	90	93	95	97	100	103

According to OSHA, any exposure in the above permissible limits could result in some hearing loss. Ear plugs or protectors in the ear canal or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss. If exposure in excess of the limits as put forth above, to insure against potentially harmful exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of inducing high sound pressure levels, such as this amplification system, be protected by hearing protectors while this unit is in operation.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE CHASSIS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF NON-INSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE UNIT.

APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

IMPORTANT SAFETY INSTRUCTIONS

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Read and understand all warnings listed on the operating instructions.
4 . Follow all operating instructions to operate this product.
5. This product should not be used near water, i.e. Bathtub, sink,swimming pool, wet basement, etc.
6. Only use dry cloth to clean this product.
7. Do not block any ventilation openings, It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
8. Do not install this product near any heat sources ;such as,radiators, heat registers, stove or other apparatus (including heat producing amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the 0ther.A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord being walked on or pinched, particularly at Plugs, convenience receptacles and the point where they exit from the apparatus. Do not break the ground pin of the power supply cord.
11 . Only use attachments specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way; such as, power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
16. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Introduction

Congratulations on your decision to purchase Pulse, BreatheAudio's new 200-Watt Audio Amplifier. Now you can enjoy the powerful sound reinforcement of the Pulse amplifier while supplying the additional boost your audio source needs to make your home come alive with the celebration of sound. Easily incorporated with your other audio equipment, Pulse connects to the audio inputs and outputs available on most audio source equipment.

The Pulse Audio Amplifier delivers remarkably clean, robust sound to even the largest areas around your home at a very attainable price. The Pulse Audio Amplifier provides 100 Watts of clean, rich sound to two channels with features typically found in much more expensive and complex audio amplifiers. The compact half-rack layout is designed to fit side by side with the BreatheAudio Elevate Audio Distribution System, keeping the rack clean and open for additional home audio components.

Pulse offers you the flexibility of dynamic power control. By implementing the control input/output feature, the audio amplifier is triggered to power on and off by an external voltage of 3-30 volts, either AC or DC. This feature is ideal when used in conjunction with whole-house audio systems, such as the BreatheAudio Elevate, equipped with control output capable of supplying the necessary voltage trigger.

We hope that you will enjoy this new adventure in music in your home, and wish to hear any and all comments that you have about the features and overall performance of our product. As you set up and use your new Pulse system, please contact us and let us know what you think at:

Customer Service
Toll Free #: 866-889-1019
Email: Customer_Service@breatheaudio.com

Pulse BA-200 Wiring Diagram

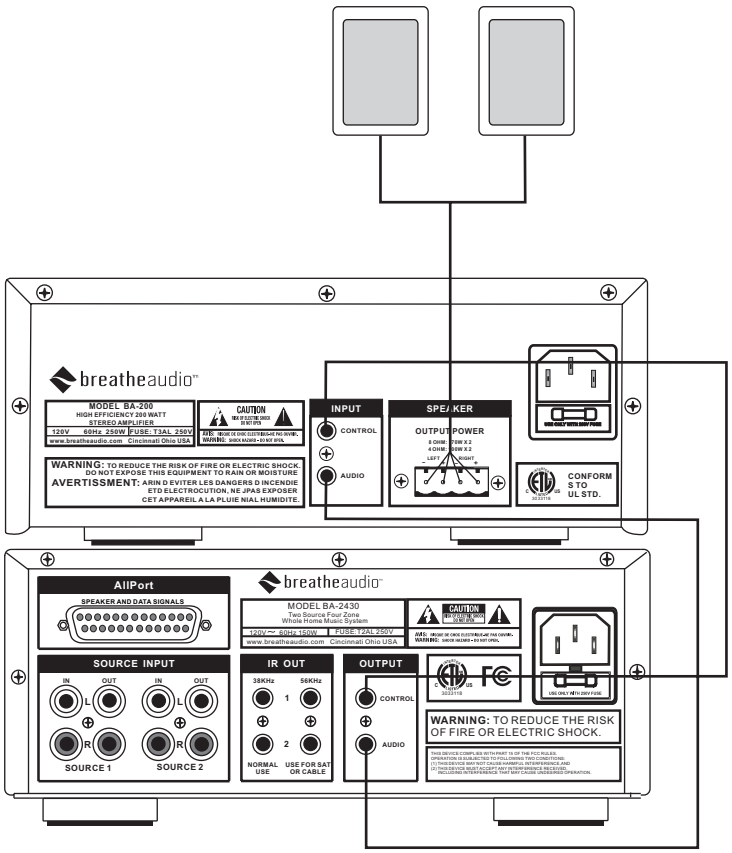
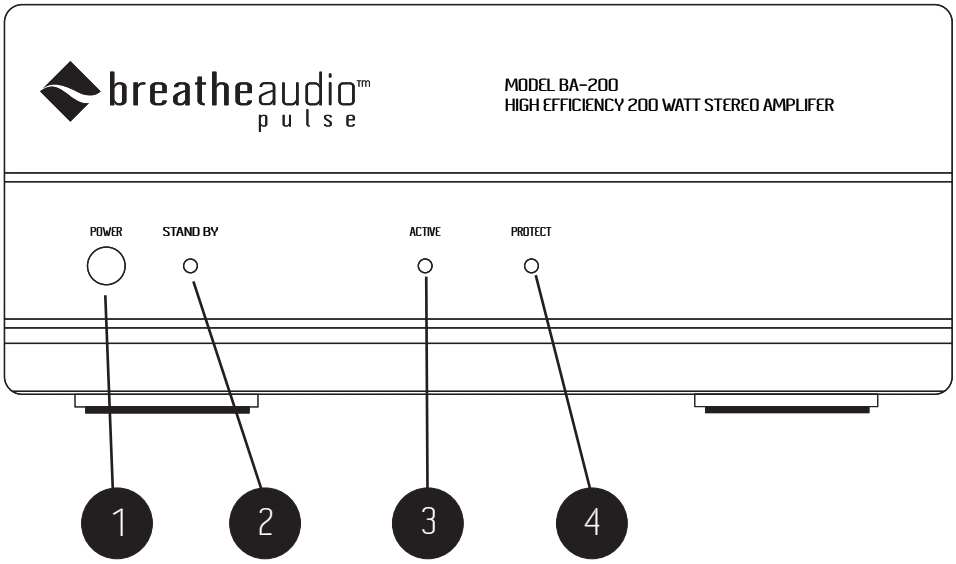
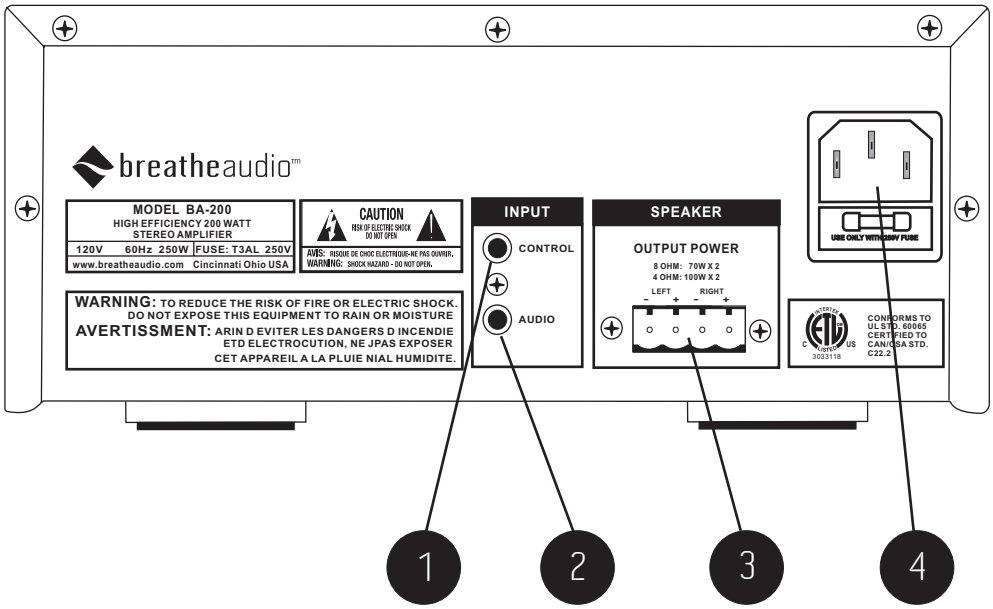


Diagram shown with the BreatheAudio Elevate Audio Distribution System



BA-200 Front Panel

1. Power Button: This button manually supplies power to the amplifier
2. STAND BY LED: When lit, this LED (light emitting diode) indicates that the BA-200 is plugged into an AC outlet.
3. ACTIVE LED: When lit, this LED indicates that the amplifier is in normal amplification mode.
4. PROTECT LED: When lit, this LED indicates that the amplifier has overheated or is experiencing an external short in the audio signal, causing it to shut down.


breatheaudio™
MODEL BA-200
HIGH EFFICIENCY 200 WATT
STEREO AMPLIFIER
120V 60Hz 250W FUSE: T3AL 250V
www.breatheaudio.com Cincinnati Ohio USA
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.
WARNING: SHOCK HAZARD - DO NOT OPEN.
WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE
AVERTISSMENT: ARIN D EVITER LES DANGERS D INCENDIE ETD ELECTROCUTION, NE JPAS EXPOSER CET APPAREIL A LA PLUIE NIAL HUMIDITE.
INPUT
CONTROL
AUDIO
SPEAKER
OUTPUT POWER
8 OHM: 70W X 2
4 OHM: 100W X 2
LEFT
RIGHT
USE ONLY WITH 250V FUSE
CONFORMS TO UL STD. 60065
CERTIFIED TO CAN/CSA STD. C22.2
3033118
1
2
3
4

BA-200 Back Panel

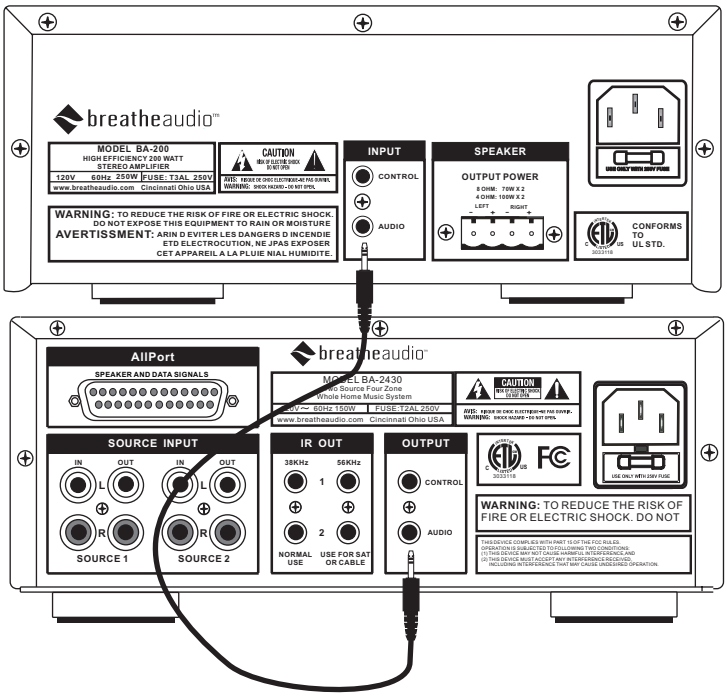
1. Control: This mono 3.5 mm mini jack is the voltage trigger that powers on the BA-200 when 3 – 30 volts are present.
2. Audio: This stereo 3.5 mm mini jack receives an audio signal from an external source such as the BreatheAudio Elevate Audio Distribution System.
3. Speaker Output: This amplified output provides 100 watts per channel audio output to external speakers.
4. AC Power: The detachable AC power cord can be plugged into any grounded AC power source.

Installing the BA-200 Audio Amplifier

Audio Source Inputs

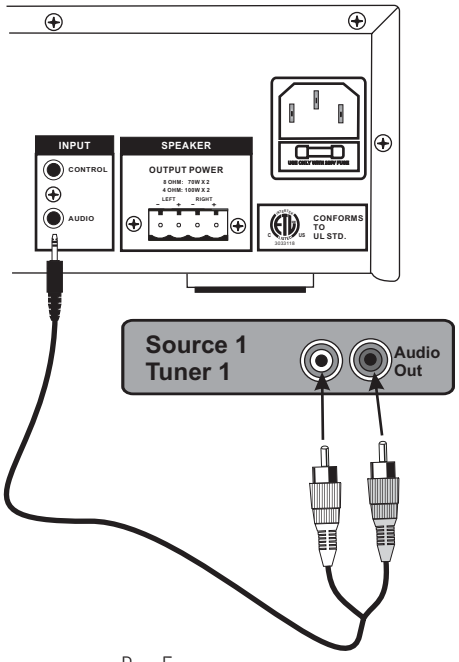
The Audio input on the back panel of the BA-200 is designed to receive a stereo audio signal from any component capable of providing a stereo line level output. The connection is a 3.5 mm stereo mini jack. The BreatheAudio™ Elevate System has a corresponding Output stereo 3.5 mm jack that is designed to work with the Audio input on the BA-200. This connection is easily made using the included stereo mini cable, fig.1.

Fig. 1



Connecting the BA-200 to an audio source component other than the BreatheAudio Elevate System may require the use of a stereo RCA to stereo 3.5 mm mini cable, which is readily available at electronics stores. Plug the RCA cable end into the audio output of the source equipment and plug the mini jack cable end into the audio input on the back of the BA-200, fig. 2.

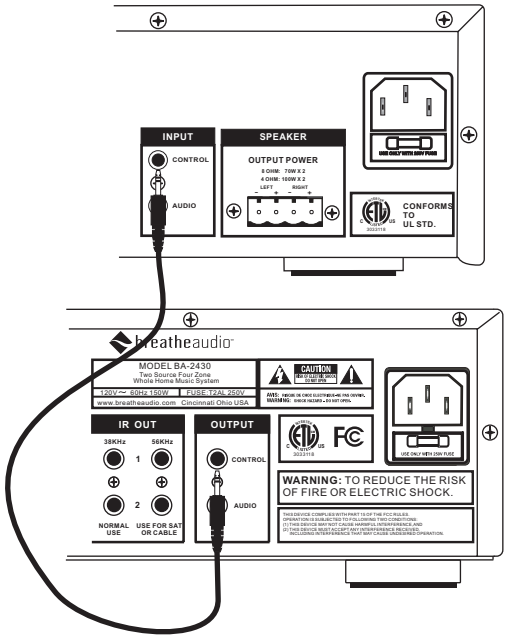
Fig. 2



Voltage Trigger

The BA–200 is capable of being triggered to turn on using the input labeled Control. The BA–200 is designed to respond to any incoming voltage of 3 – 30 volts. Many audio components have a voltage output for this purpose. The connection is easily made using a mono cable with a 3.5 mm mini connection on both ends. A voltage trigger cable is supplied with the package. This is plugged into the voltage trigger output on the source component and into the voltage input on the BA–200. The BreatheAudio Elevate Audio Distribution System has an output labeled Control for use with the BA–200, fig. 3. By using the voltage trigger, the BA–200 power switch can be left in the on position and triggered to turn on and off automatically by the presence of a voltage from the audio source equipment.

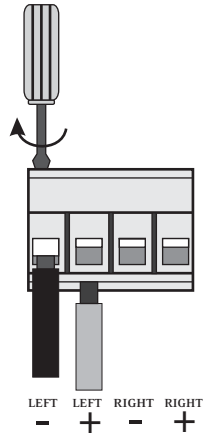
Fig. 3



Speaker Output

The BA–200 provides 100 watts output per channel at 4 ohms and is stable down to 2 ohms. This allows it to provide an audio signal to multiple pairs of speakers in a large area. It uses a modular plug that will accept up to 14–gauge, two or four–conductor speaker wire, however 16–gauge wire is recommended. The proper polarity is Left negative, Left positive, Right negative, and Right positive, fig. 4.

Fig. 4



BreathAudio Pulse BA-200 Specifications

Number of Channels	2
Power Output	70 Watts at 8 ohms 100 Watts at 4 ohms
Rated THD	0.08%
Frequency Response	20Hz to 20 kHz at rated power ±1 dB
Input Impedance	22 kohms
Voltage Trigger AC or DC	3 to 30 Volts
AC Power	120 VAC, 60Hz 250Watts

Power Consumption	Off, 7.2 watts
4 ohms 1 kHz	On, no signal 8.2 Watts 1/10 power, 79 Watts 1/3 power, 166 Watts Full power, 405 Watts
Line Fuse Rating	4 amp time lag
Dimensions	8.5 in W x 3.75 in H x 13.5 in L 214 mm W x 96 mm H x 340 mm L
Weight (unit)	12 lbs (4.54 kg)
Weight (shipping)	17.2 lbs (6.51 kg)

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